# J300Q 6G SAS-SAS 3U16 High Availability JBOD Systems

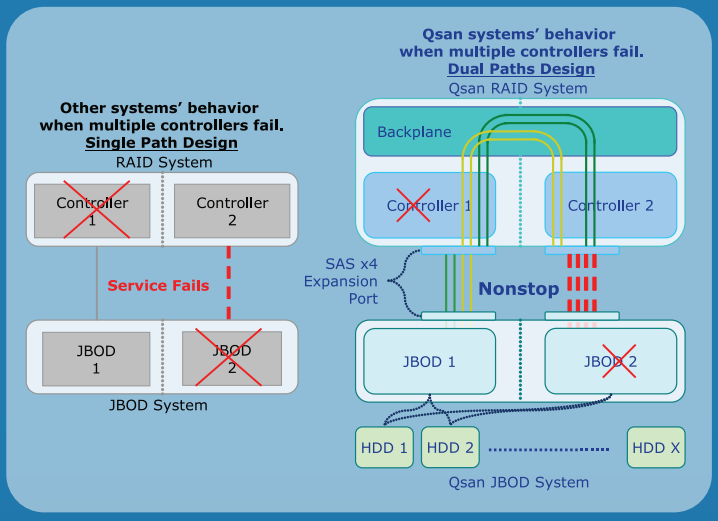
Qsan's storage systems are designed for high availability, non-stop services, applications demanding high throughput, and flexible storage planning with cost effectiveness for small and medium businesses.

## Highlights

1. Fully redundant & hot pluggable designs: JBOD controllers, power supplies, fan modules, & JBOD expansion
2. Online FW upgrade, no system down time
3. Green storage designs: auto disk spin down, advanced cooling mechanism, & 80 PLUS energy-efficient power supplies
4. High connection availability: load balancing & failover
5. 1 x 6G SAS (miniSAS SFF8088) host wide port per controller
6. 1 x 6G SAS (miniSAS SFF8088) JBOD expansion wide port per controller
7. 3G SAS & SATA II drive backward-compatible

## High Availability

J300Q 6G SAS-SAS JBOD system is specially designed for high availability applications. The J300Q is well equipped with fully redundant components for all major functions, including redundant JBOD controllers, power supplies, fan modules, and SAS JBOD expansion ports. Being hot pluggable, all of them provide non-stop services. Distinct from others, J300Q is able to upgrade firmware without system down time. And in case of multiple hardware failures as shown below, Qsan's design of dual paths between Qsan RAID systems and JBOD systems will still provide services; while other vendors will not be able to provide any service.




## Green

All J300Q systems are equipped with Qsan's default green features for power saving. In most cases, the hard drives consume most power. With the auto disk spin down feature and proper configuration (with Qsan Q Series High Availability RAID Systems), the power consumption of hard drives can be reduced to a minimum, and users will not even notice this feature. J300Q monitors the environment temperature for cooling mechanism and the fan modules respond accordingly. The power supply modules are all 80 PLUS power efficient for better power converting rate. In virtue of the reduction of hard drive power consumption, the advanced cooling mechanism, and the energy-efficient power supplies, the unnecessary power cost is decreased greatly.

## Ordering Information

| Controller Configuration | |
|---|---|
| J300Q-D316 | Dual controllers |
| J300Q-C316 | Single controller* |

| Optional Components | |
|---|---|
| QJSATA board | SATAII drives support |

* The specific functions of dual controller are not available in J300Q-C316.

### Hardware Components

| | J300Q-D316 | J300Q-C316 |
|---|---|---|
| JBOD Controller | Dual controllers | Single controller |
| No. of Host Channels Per Controller | 1 x 6G SAS | 1 x 6G SAS |
| Expansion Enclosure | J300Q series | J300Q series |
| No. of Hard Drives (SAS & SATA II) | 16 | 16 |
| Power Supply | 2 x 500W | 2 x 500W |
| Fan | 2 | 2 |
| Dimensions | 3U 19" Rackmount 446.0mm x 499.5mm x 130.0mm (W x D x H) | |

### Requirements

| | |
|---|---|
| AC Input | 100-240V ~ 7A-4A 500W with PFC (Auto Switching) |
| DC Output | 3.3V-25A; 5V-32A; 12V-40A |
| Operating Temperature | 0 to 40°C |
| Relative Humidity | 5% to 95% non-condensing |

### Feature Highlights

| | J300Q-D316 | J300Q-C316 |
|---|---|---|
| Green | Auto disk spin down<br>Advanced cooling mechanism<br>80 PLUS energy-efficient power supplies | |
| High Availability | Dual-active JBOD controllers<br>Online firmware upgrade, no system down time<br>Multi-path & load-balancing support | |
| Management | LCM; S.E.S. | |
| OS Support | Windows; Linux; Solaris; Mac | |
| Warranty | 3-year warranty for system | |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